AQUARIUS
WebPortal

Water Data Web Portal
Right Data. Right People. Right Time.

AQUARIUS WebPortal delivers a simple and elegant solution for offering real-time online access to quality assured environmental data and services. Impress your stakeholders with rich statistics, intuitive maps, email alerts, data exporting, and live reports.

Secure Intranet
Foster Collaboration

Organizations can easily share environmental data with staff, departments, consulting firms, cooperating agencies, and other organizations - improving collaboration and productivity. User login permissions and security roles ensure that each stakeholder has appropriate access-levels and privileges. AQUARIUS WebPortal facilitates secure access for all key stakeholders to water information of the highest integrity, accessibility, and interoperability.

Public Portal
Inform the Community

AQUARIUS WebPortal allows monitoring agencies to offer on-demand internet access to a variety of environmental data and services, including drinking water quality data, real-time water quantity information, watershed health statistics, rainfall data, or air quality indicators. Interactive maps, real-time data, and live reports give citizens a rich view of the conditions of their freshwater ecosystems. An informed community is a safe and prosperous community.

Flood System
Improve Public Safety

A highly intuitive flood management system, AQUARIUS WebPortal turns complex hydrological and meteorological data into actionable graphical information with rich maps, grids, charts, and graphs. Instant email and SMS messages alert officials of unusual events. Equipped with a real-time and historical view of drastic events, officials can better prepare for and more effectively manage floods, improving the safety of citizens while protecting public infrastructure.

Gain Insights with Customizable Dashboards

Configurable dashboards provide a live snapshot of environmental conditions – like current water or air quality states, flooding locations, rainfall statistics, or rising reservoir levels – making it easy to zero-in on the most critical data. Powerful widgets can display both AQUARIUS WebPortal and external data. Visually rich dashboards can include charts, grids, meters, webcams, YouTube videos, and Twitter timelines for a compelling view of environmental indicators.

Provide Interactive Online Access to Real-Time Data

Stakeholders get on-demand access to quality-assured data, real-time statistics, and continuously derived computations. An interactive map allows you to zoom into the desired area, pinpoint a location, and popup a full list of calculated statistics. You select the desired parameter (like rainfall) and statistic for primary display. Colour codes provide a visual display of water conditions.

Impress with Maps, Data Grids & Charts

The modern graphical interface allows you to quickly visualize water data through maps (ESRI, Satellite Imagery, and OpenStreetMaps), data grids, and charts. Contextual information is displayed. Charts can be used to overlay multiple series of data, including different types of data, such as lines, columns, and points. Heat maps provide colourful displays of statistical data like rainfall and air temperatures across geographic areas. By providing a highly visual and interactive environment, AQUARIUS WebPortal speeds analysis and supports better decisions.

Keep Users Informed – In the Office & In the Field

AQUARIUS WebPortal is designed to keep your office and mobile workers informed while in the field. Full support for HTML5 and Javascript delivers an interactive web experience using a wide range of popular browsers (including IE, Chrome, Firefox, and Safari) while running on different operating systems. A responsive design optimizes the mobile experience on tablets and smart phones – AQUARIUS WebPortal adapts to the size of any screen.

Automate Alerts Online & by Email or SMS

Online alerts and automatic warnings sent by email or Short Message Service (SMS) warn the right people of unusual conditions. Administrative users define single- or multi-state alert triggers. When conditions are met, alert messages are sent to a predefined group of stakeholders. Trigger intervals can be set to send updates during ongoing events. When conditions normalize, a message is sent to inform recipients that the alert state has ceased.

Give Rich Access to Historical Data & Statistics

Exploring historical data and derived computations is intuitive. You can easily see one day to a year's worth of data. Setting data filters, ordering, and selecting date ranges helps quickly find the required information. Data can be summarized on a daily or monthly basis, with aggregating statistics.

Offer Exporting, Info Requests & Reporting

AQUARIUS WebPortal allows stakeholders to extract and save the information they need. With one click, environmental data can be exported to Microsoft® Excel, Adobe® PDF or CSV from any chart or data grid. Reports are also available in Adobe® PDF format with one click. Information requests can be used to display real-time reports or request information via email or Short Message Service (SMS) when working remotely.

Control Administrative Functions & Access Rights

Administrative controls include user access permissions and security roles, so the right information can be made accessible to the right stakeholders. The Audit Logs track all actions performed in the system. Configuration options mean AQUARIUS WebPortal can be customized to meet your business and branding requirements.

Leverage AQUARIUS Time-Series & EnviroSCADA

AQUARIUS WebPortal delivers the most intuitive web-based interface for sharing real-time data managed on the AQUARIUS Time-Series Server. It also integrates seamlessly with AQUARIUS EnviroSCADA to calculate and display live statistics.